

Master Program in
Molecular Biotechnology

Academic Year 2017/18

October 2, 2017
11 a.m.

Mendel Room

MBC, Via Nizza 52,
10126 Torino



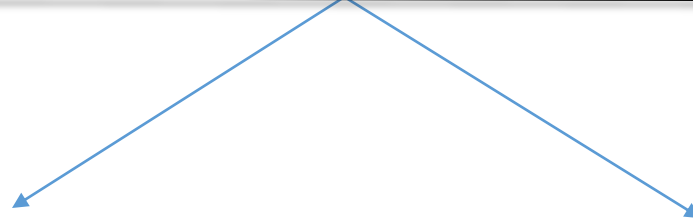
University of Torino

Master Program in Molecular Biotechnology

What is Molecular Biotechnology?

In its broadest sense, molecular biotechnology is the use of laboratory techniques to study and modify nucleic acids and proteins for applications in areas such as human and animal health, agriculture, and the environment.

Master Program in Molecular Biotechnology



Translational
Biotechnology

Diagnostics & Drug
Discovery

Duration: 2 years
ECTS: 120

Where?



MBC, Via Nizza 52, Torino

Class Schedule

First semester: from October 2, 2017 to January 18, 2018

Second semester: from March 1, 2018 to June 8, 2018

Translational Biotechnology

	TUESDAY	Room
4 - 6 p.m.	PHYSIOLOGY	ERACLITO
	THURSDAY	Room
9 - 11 a.m.	INTERACTION AND GENE NETWORKS	ERACLITO
11 a.m. - 1 p.m.	GENOMICS AND EPIGENOMICS OF GENE REGULATION	ERACLITO
2 - 5 p.m.	COMPUTATIONAL GENOMICS AND EPIGENOMICS	ARISTOTELE
	FRIDAY	Room
9 - 11 a.m.	THE GENETIC BASIS OF CANCER	ERACLITO
11 a.m. - 1 p.m.	GENOMICS AND EPIGENOMICS OF GENE REGULATION	COPERNICO
2 - 4 p.m.	MOLECULAR DYNAMICS OF CELLULAR PROCESSES (*)	COPERNICO
4 - 6 p.m.	PHYSIOLOGY	COPERNICO

Diagnostics & Drug Discovery

	TUESDAY	Room
4 - 6 p.m.	PHYSIOLOGY	ERACLITO
	THURSDAY	Room
9 - 11 a.m.	INTERACTIONS AND GENE NETWORKS	ERACLITO
11 a.m - 1 p.m.	DRUG DISCOVERY: BASIC PRINCIPLES	ADENINA
2 - 5 p.m.	COMPUTATIONAL GENOMICS AND EPIGENOMICS	ARISTOTELE
	FRIDAY	Room
2 - 4 p.m.	BIOCHEMISTRY	TIMINA
4 - 6 p.m.	PHYSIOLOGY	COPERNICO

Thinking



Set and perform
an experiment

SCIENTIST



Discuss data



Present data

Laboratory activity

The parts of a scientist



Laboratory activity

Question 1: How much time do I have to spend in lab?

Answer: All time I have

Question 2: Which are the labs where can I get my internship?

Answer:

Academia:

- Molecular Biotechnology Center – MBC <https://www.mbc.unito.it/it/il-centro>
- Candiolo Cancer Institute – IRCCS <http://www.ircc.it/irccit/>
- Neuroscience Institute Cavalieri Ottolenghi – NICO <http://www.nico.ottolenghi.unito.it/>
- CeRMS– Centro di Ricerca in Medicina Sperimentale <http://www.cerms.it/>

Industry:

- Bioindustry Park Silvano Fumero, Colletterto Giacosa (TO) (Bracco, Merck-Serono)
- DiaSorin
- Chiesi Farmaceutici

Laboratory activity

Study Plan

1.st Year	ECTS
Stage I	6
Thesis I	5

2.nd Year	ECTS
Stage II	6
Thesis II	14

Exam sessions

January-February, 2018

June-July, 2018

September, 2018

A week in April

A week in November

Contacts

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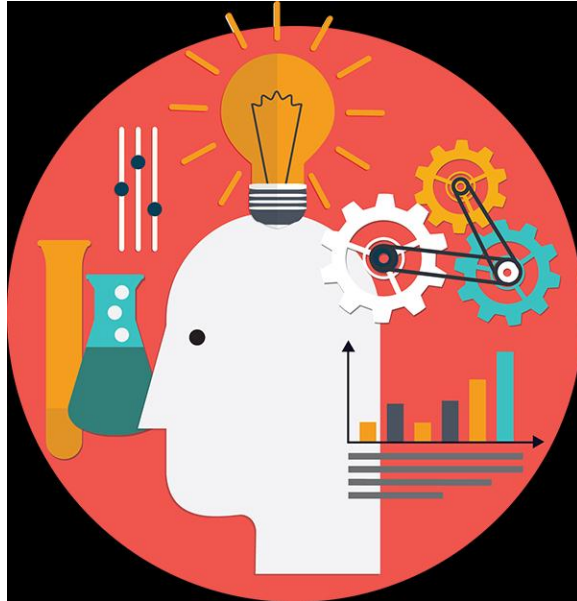
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Segreteria Studenti:

Corso Massimo d'Azeglio 60 - 10126 Torino

Telefono: 011/6709900 - Fax 011/670.5676

Entry test



All students enrolled for the Master Program in Molecular Biotechnology are asked to complete an *Entry Test*. The test is designed to help the students evaluate their own preparation in Biology and Chemistry. Test score will NOT be taken into account in student career.

